

## Product datasheet for **RR214572**

### Prkcsh (NM\_001106806) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcsh (NM_001106806) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkcsh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214572 representing NM\_001106806  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCTGCTGCTGCTGCTGCTACCCCTCTGTTGGGCAGTAGAAGTTAAGAGACCCCGGGCGTTTCCC  
 TCAGCAACCATCACTTCTATGACGAATCTAAACCTTTCACGTGTTTGGATGGCACAGCCACTATCCCTT  
 CGATCAGGTGAACGATGATTACTGCGACTGTAAGGATGTTTCTGATGAGCCTGGCACAGCTGCGTGTCCC  
 AATGGCAGCTTTCAGTGCACCAACTGGGTATAAGCCTTTGTACATCCTCTCTAGCCGGGTCAATGATG  
 GGGTGTGTGACTGCTGTGATGGGACGGACGAGTACAACAGTGGCACCGTCTGTGAGAACCTGCAGAGA  
 GAAGGGTCGAAGGAAAAAGAGTCCCTGCAGCAGCTGGCCGAGGTACCCGAGAAGGGTCCGTCTCAAG  
 AAGATACTCATTGAGGAGTGAAGACAGCTCGGGAAGAAAAGCAGAGTAAGCTTCTTGAGCTTCAGGCTG  
 GAAAGAAGTCTCTGGAAGACCAGGTAGAAACGCTGCGGACAGCGAAAGAGGAAGCAGAGAGGCCAGAGAA  
 GGAGGCCAAGGACCAGCACCGGAAGCTGTGGGAAGAGCAGCAGGCTGCTGCCAAGGCCCGCGGGAACAG  
 GAGCTGGCAGCCAGTGCCTTCCAGGAACCTGGACGACAACATGGATGGGCTGGTCTCACTGGCTGAGTTAC  
 AGACTACCCAGAGCTGGACACAGATGGAGATGGAGGACTGTCCGAGGAGGAGGCCAGGCTCTTCTCAG  
 TGGAGACACAGACTGACACTACCTCCTTCTATGACCGTGTCTGGGCTGCCATCAGGGACAAGTACCGC  
 TCTGAGGTCCCACCCACGGACATACCTGTTCTGAGGTACCCGAACCCAAAGAAGAAAAGCTGCCAGTGT  
 TGCCCCCATGGAAGAGGAGGAGGAAGAGGAGGAGCCAGAGGAGGAAGAGGAGGAGGAGGAGGAGGAGGT  
 GCCGGGGAGCAGCCCAAGGAGGTCCCGCCCCACAGCAGCCCCACGGCCTCCAGTCTGTGAGGAT  
 GAGAAGATGCCACCCTATGATGAGGAGACACAGGCTATCATCGATGCCGACAAGAGGCCCGGAACAAGT  
 TTGAGGAGTGAACCGTCTTGAAGAGATGGAGGAGTCCATCAGGAGTTTGAACAAGAGATCTCCTT  
 TGATTTCCGTCCCTCTGGAGAGTTTGCATACCTCTACAGCCAATGCTACGAGCTCACCAACCAATGAGTAT  
 GTCTACCGGCTTTGCCCTTCAAACCTTGTCTCCAGAAACCCAAACATGGGGGCTCCCGACCAAGTCTGG  
 GTACATGGGGCTCCTGGGCTGGCCAGATGACGACAAGTTCAGCGCAATGAAGTACGAGCAGGGCACAGG  
 CTGCTGGCAGGGCCCAACCGCTCCACCACAGTACGCCTCCTGTGTGGCAAGGAGACTGTGGTGACCAGT  
 ACCACAGAGCCCAGTCTGCGAGTACCTCATGGAGCTGATGACACCAGCAGCCTGCCAGAGCCGCCTC  
 CAGAAGTACCCACTGATGGAGACCATGATGAAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214572 representing NM\_001106806  
 Red=Cloning site Green=Tags(s)

MLLLLLLPLCWAVEVKRPRGVSLSNHHFYDESKPFTCLDGTATIPFDQVNDYCDCKDGSDEPGTAACP  
 NGSFHCTNTGYKPLYILSSRVNDGVCDCCDGTDEYNSGTVCENTCREKGRKEKESLQQLAEVTRREGFRLK  
 KILIEEWKTAREEKQSKLLELQAGKKSLEDQVETLRTAKEEAERPEKEAKDQHRKLWEEQAAAARREQ  
 ELAASAFQELDDNMDGLVSLAELQTHPELDTDGDGGLSEEEAALLSGDTQTDTTSFYDRVWAAIRDKYR  
 SEVPPTDIPVPEVTEPKKEKLPVLPPEEEEEEEEEPEEEEEEEEEVPGEPKQVPPPPQPLRPPSPAED  
 EKMPPEDEETQAIIDAAQEARNKFEEVERSLKEMEE SIRSLQEISFDFGPSGEFAYLYSQCYELTTNEY  
 VYRLCPFKLVSQPKHGGSPSLGTWGSWAGPDDKFSAMKYEQGTGCWQGNRSTTVRLLCGKETVVTS  
 TTEPSRCEYLMELMTPAACPEPPPEVPTDGDHDEL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

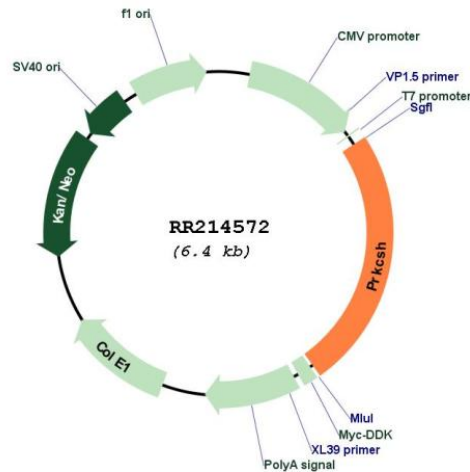
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001106806

ORF Size: 1575 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001106806.2](#), [NP\\_001100276.1](#)

**RefSeq Size:** 2011 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 300445

**Cytogenetics:** 8q13

**MW:** 59.2 kDa